



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
**401 M Street, S.W.**  
**WASHINGTON, D.C. 20460**

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**DATA MATRIX**

Date: February 10, 2014

EPA Reg. No./File Symbol: 74530-xx

Page 1 of 5

Applicant's/Registrant's Name & Address: Helm Agro US, Inc.  
 4042 Park Oaks Blvd., Suite 330  
 Tampa, FL 33610

Product: Diquat TC

Ingredient: Diquat dibromide

Guideline Reference Numbers, OPP/OPPTS	Guideline Study Name	MRID Number	Submitter	Status	Note
61-1/ 830.1550	Product Identity and Composition	To be assigned	Helm Agro US, Inc.	Own	Submitted with this application
61-2/ 830.1600 & 830.1620	Beginning Materials and Manufacturing Process	To be assigned	Helm Agro US, Inc.	Own	Submitted with this application
61-3/ 830.1670	Discussion of the Formation of Impurities	To be assigned	Helm Agro US, Inc.	Own	Submitted with this application
62-1/ 830.1700	Preliminary Analysis	To be assigned	Helm Agro US, Inc.	Own	Submitted with this application
62-2/ 830.1750	Certified Limits	N/A	Helm Agro US, Inc.	Own	See submitted CSF
62-3/ 830.1800	Enforcement Analytical Method	To be assigned	Helm Agro US, Inc.	Own	Submitted with this application
63-2/ 830.6302	Color -Technical	To be assigned	Helm Agro US, Inc.	Own	Submitted with this application
63-3/ 830.6303	Physical State -Technical	To be assigned	Helm Agro US, Inc.	Own	Submitted with this application
63-4/ 830.6304	Odor-Technical	To be assigned	Helm Agro US, Inc.	Own	Submitted with this application
63-5/ 830.7200	Melting Point-Technical	0015555		OLD	
63-7/ 830.7300	Density-Technical	0015555		OLD	



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Ingredient: Diquat dibromide

Guideline Reference Numbers, OPP/OPPTS	Guideline Study Name	MRID Number	Submitter	Status	Note
63-8/ 830.7840	Solubility-Technical	00136329, 40302701		OLD	
63-9/ 830.7950	Vapor Pressure-Technical	40245101		OLD	
63-10/ 830.7370	Dissociation Constant	00138938		OLD	
63-11/ 830.7550	Octanol/Water Partition Coefficient-Technical	00138928		OLD	
63-12/ 830.7000	pH-Technical	To be assigned	Helm Agro US	Own	Submitted with this application
63-13/ 830.6313	Stability-Technical	00038627, 00138928		OLD	
63-14/ 830.6314	Oxidation/reduction: Chemical incompatibility	To be assigned	Helm Agro US	Own	Submitted with this application
63.15/ 830.6315	Flammability-Technical	00115555		OLD	
63-16/ 830.6316	Explosibility-Technical	40069304		OLD	
63-17/ 830.6317	Storage Stability -Technical	N/A	Helm Agro US	Own	New study under way
63-20/ 830.6320	Corrosion Characteristics-Technical	N/A	Helm Agro US	Own	New study under way
N/A/ 830.7050	UV visible light absorption	To be assigned	Helm Agro US	Own	Submitted with this application



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Ingredient: Diquat dibromide

Guideline Reference Numbers, OPP/OPPTS	Guideline Study Name	MRID Number	Submitter	Status	Note
81-1/ 870.1100	Acute Oral Toxicity - Rat	To be assigned	Helm Agro US, Inc.	Own	Submitted with this application
81-2/ 870.1200	Acute Dermal Toxicity-Rabbit	To be assigned	Helm Agro US, Inc.	Own	Submitted with this application
81-3/ 870.1300	Acute Inhalation Toxicity-Rat	To be assigned	Helm Agro US, Inc.	Own	Submitted with this application
81-4/ 870.2400	Primary Eye Irritation-Rabbit	To be assigned	Helm Agro US, Inc.	Own	Submitted with this application
81-5/ 870.2500	Primary Dermal Irritation-Rabbit	To be assigned	Helm Agro US, Inc.	Own	Submitted with this application
81-6/ 870.2600	Dermal Sensitization in Guinea Pigs	To be assigned	Helm Agro US, Inc.	Own	Submitted with this application
	Helm Agro US Inc. is making offers-to-pay to the following companies listed on EPA's Data Submitters list as of September 25, 2013.	Company Number			
	Cite-All under Selective Method utilized by Helm Agro US Inc.	100	Syngenta Crop Protection LLC	Pay	
	Cite-All under Selective Method utilized by Helm Agro US Inc.	228	Nufam Americas Inc.	Pay	
	Cite-All under Selective Method utilized by Helm Agro US Inc.	239	The Scotts Company	Pay	
	Cite-All under Selective Method utilized by Helm Agro US Inc.	524	Monsanto Company	Pay	
	Cite-All under Selective Method utilized by Helm Agro US Inc.	2749	Aceto Agricultural Group	Pay	



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Ingredient: Diquat dibromide

Guideline Reference Numbers, OPP/OPPTS	Guideline Study Name	Company Number	Submitter	Status*	Note
	Cite-All under Selective Method utilized by Helm Agro US Inc.	3862	ABC Compounding Co. Inc.	Pay	
	Cite-All under Selective Method utilized by Helm Agro US Inc.	5785	Great Lakes Chemical Corp.	Pay	
	Cite-All under Selective Method utilized by Helm Agro US Inc.	9688	Chemsico	Pay	
	Cite-All under Selective Method utilized by Helm Agro US Inc.	10182	Syngenta Crop Protection	Pay	
	Cite-All under Selective Method utilized by Helm Agro US Inc.	35935	Nufarm Limited	Pay	
	Cite-All under Selective Method utilized by Helm Agro US Inc.	59639	Valent USA Corp.	Pay	
	Cite-All under Selective Method utilized by Helm Agro US Inc.	66607	Spray Drift Task Force	Pay	
	Cite-All under Selective Method utilized by Helm Agro US Inc.	70506	United Phosphorus Inc.	Pay	
	Cite-All under Selective Method utilized by Helm Agro US Inc.	71754	Outdoor Residential Exposure Task Force	Pay	
	Cite-All under Selective Method utilized by Helm Agro US Inc.	71755	Agricultural Reentry Task Force	Pay	
	Cite-All under Selective Method utilized by Helm Agro US Inc.	71995	Monsanto Company	Pay	
	Cite-All under Selective Method utilized by Helm Agro US Inc.	72155	Bayer Advanced	Pay	
	Cite-All under Selective Method utilized by Helm Agro US Inc.	73989	FIFRA Endangered Species TF	Pay	
	Cite-All under Selective Method utilized by Helm Agro US Inc.	74888	Residential Exposure Joint Venture	Pay	



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	Cite-All under Selective Method utilized by Helm Agro US Inc.	75234	Agricultural Handlers Exposure Task Force	Pay	
	Cite-All under Selective Method utilized by Helm Agro US Inc.	79676	Gro-Pro LLC	Pay	
	Cite-All under Selective Method utilized by Helm Agro US Inc.	81959	Etigra LLC	Pay	
	Cite-All under Selective Method utilized by Helm Agro US Inc.	82542	Source Dynamics LLC	Pay	
	Cite-All under Selective Method utilized by Helm Agro US Inc.	82633	Sharda Worldwide Exports Ltd.	Pay	
	Cite-All under Selective Method utilized by Helm Agro US Inc.	83529	Sharda USA LLC	Pay	
	Cite-All under Selective Method utilized by Helm Agro US Inc.	83979	Rotam North America Inc.	Pay	

Signature:	Name and Title: Bert Volger, Ph.D. Agent for HELM AGRO US Inc.	Date: 2/10/2014
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[REDACTED]	[REDACTED]	[REDACTED]	Helm Agro US, Inc.	Own	See submitted CSF
[REDACTED]	[REDACTED]	[REDACTED]	Helm Agro US, Inc.	Own	Submitted with this application
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[REDACTED]	[REDACTED]	[REDACTED]	Helm Agro US, Inc.	Own	Submitted with this application
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[REDACTED]	[REDACTED]	[REDACTED]		OLD	
[REDACTED]	[REDACTED]	[REDACTED]		OLD	



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[REDACTED]	[REDACTED]	[REDACTED]	Helm Agro US	Own	Submitted with this application
[REDACTED]	[REDACTED]	[REDACTED]	Helm Agro US	OLD	
[REDACTED]	[REDACTED]	[REDACTED]		OLD	
[REDACTED]	[REDACTED]	[REDACTED]	Helm Agro US	Own	New study under way
[REDACTED]	[REDACTED]	[REDACTED]	Helm Agro US	Own	New study under way
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[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	Syngenta Crop Protection LLC	Pay	
[REDACTED]	[REDACTED]	[REDACTED]	Nufarm Americas Inc.	Pay	
[REDACTED]	[REDACTED]	[REDACTED]	The Scotts Company	Pay	
[REDACTED]	[REDACTED]	[REDACTED]	Monsanto Company	Pay	
[REDACTED]	[REDACTED]	[REDACTED]	Aceto Agricultural Group	Pay	



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	[REDACTED]	[REDACTED]	Great Lakes Chemical Corp.	Pay	
	[REDACTED]	[REDACTED]	Chemsico	Pay	
	[REDACTED]	[REDACTED]	Syngenta Crop Protection	Pay	
	[REDACTED]	[REDACTED]	Nufarm Limited	Pay	
	[REDACTED]	[REDACTED]	Valent USA Corp.	Pay	
	[REDACTED]	[REDACTED]	Spray Drift Task Force	Pay	
	[REDACTED]	[REDACTED]	United Phosphorus Inc.	Pay	
	[REDACTED]	[REDACTED]	Outdoor Residential Exposure Task Force	Pay	
	[REDACTED]	[REDACTED]	Agricultural Reentry Task Force	Pay	
	[REDACTED]	[REDACTED]	Monsanto Company	Pay	
	[REDACTED]	[REDACTED]	Bayer Advanced	Pay	
	[REDACTED]	[REDACTED]	FIFRA Endangered Species TF	Pay	
	[REDACTED]	[REDACTED]	Residential Exposure Joint Venture	Pay	



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Page 5 of 5

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	[REDACTED]	[REDACTED]	Gro-Pro LLC	Pay	
	[REDACTED]	[REDACTED]	Etigra LLC	Pay	
	[REDACTED]	[REDACTED]	Source Dynamics LLC	Pay	
	[REDACTED]	[REDACTED]	Sharda Worldwide Exports Ltd.	Pay	
	[REDACTED]	[REDACTED]	Sharda USA LLC	Pay	
	[REDACTED]	[REDACTED]	Rotam North America Inc.	Pay	

Signature:

Name and Title:  
Bert Volger, Ph.D.  
Agent for  
HELM AGRO US Inc.

Date:  
2/10/2014